

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striketrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (previously amended), (previously presented), or (not entered).

1. (PREVIOUSLY AMENDED) A structured document creation method for creating a structured document in accordance with a predetermined document type definition, comprising:

preparing at least one document instance which presents a contents of said structured document, and a document type definition which defines a document structure of said structured document, including a plurality of element declarations which respectively define a plurality of types of logical structures for said one document instance, and a plurality of entity declarations which respectively designate said defined logical structures;

validating one of said entity declarations of said document type definition to validate a corresponding one of said element declarations of said document type definition; and

creating said structured document having the contents of said document instance in said one logical structure that is defined by said corresponding validated element declaration.

2. (PREVIOUSLY AMENDED) A structured document creation method as claimed in claim 1, wherein, for each of the plurality of entity declarations, control information indicating whether the entity declaration is valid or invalid is additionally described.

3. (PREVIOUSLY AMENDED) A structured document creation method as claimed in claim 1, wherein the plurality of different logical structures include a logical structure form layout and a table form layout.

4. (PREVIOUSLY AMENDED) A structured document creation method as claimed in claim 2, wherein the plurality of different logical structures include a logical structure form

layout and a table form layout.

5. (PREVIOUSLY AMENDED) A structured document creation method as claimed in claim 1, wherein the structured document is a Standard Generalized Markup Language document and the document type definition is a Document Type Definition which defines a document structure of the Standard Generalized Markup Language.

6. (PREVIOUSLY AMENDED) A structured document creation method as claimed in claim 2, wherein the structured document is a Standard Generalized Markup Language document and the document type definition is a Document Type Definition which defines a document structure of the Standard Generalized Markup Language.

D2 7. (PREVIOUSLY AMENDED) A structured document creation method as claimed in claim 3, wherein the structured document is a Standard Generalized Markup Language document and the document type definition is a Document Type Definition which defines a document structure of the Standard Generalized Markup Language.

8. (PREVIOUSLY AMENDED) A structured document creation method as claimed in claim 4, wherein the structured document is a Standard Generalized Markup Language document and the document type definition is a Document Type Definition which defines a document structure of the Standard Generalized Markup Language.

9. (PREVIOUSLY AMENDED) A computer-readable recording medium on which a structured document created in accordance with a predetermined document type definition is recorded, said medium comprising:

D3 the structured document being recorded in a data file formed on said recording medium;
the data file at least having a region in which the document type definition which defines a document structure of said structured document is recorded and another region in which at least one document instance which presents contents of the document are recorded;

a plurality of element declarations which respectively define a plurality of types of logical structures for said one document instance, and a plurality of entity declarations which respectively designate said defined logical structures being described in said region in which

D3 the document type definition is recorded;

for each of the plurality of entity declarations, information which indicates whether the entity declaration is valid or invalid being additionally described.

10. (PREVIOUSLY AMENDED) A computer-readable recording medium as claimed in claim 9, wherein the plurality of different logical structures include a logical structure form layout and a table form layout.

D4 11. (AS UNAMENDED) A computer-readable recording medium as claimed in claim 9, wherein the structured document is a Standard Generalized Markup Language document and the document type definition is a Document Type Definition which defines a document structure of the Standard Generalized Markup Language.

12. (ORIGINAL) A computer-readable recording medium as claimed in claim 10, wherein the structured document is a Standard Generalized Markup Language document and the document type definition is a Document Type Definition which defines a document structure of the Standard Generalized Markup Language.

13. (PREVIOUSLY AMENDED) A computer-readable medium storing a program which, when executed by a computer, causes the computer to execute functions of a structured document creation method for creating a structured document in accordance with a predetermined document type definition, comprising:

D5 preparing at least one document instance which presents a contents of said structured document, and a document type definition which defines a document structure of said structured document, including a plurality of element declarations which respectively define a plurality of types of logical structures for said one document instance, and a plurality of entity declarations which respectively designate said defined logical structures;

validating one of said entity declarations of said document type definition to validate a corresponding one of said element declarations of said document type definition; and

creating said structured document having the contents of said document instance in said one logical structure that is defined by said corresponding validated element declaration.

14. (PREVIOUSLY PRESENTED) A computer system creating a structured document in accordance with a predetermined document type definition, comprising:

Db a processor preparing at least one document instance which presents a contents of said structured document, and a document type definition which defines a document structure of said structured document, including a plurality of element declarations which respectively define a plurality of types of logical structures for said one document instance, and a plurality of entity declarations which respectively designate said defined logical structures, validating one of said entity declarations of said document type definition to validate a corresponding one of said element declarations of said document type definition, and creating said structured document having the contents of said document instance in said one logical structure that is defined by said corresponding validated element declaration;

a memory storing the structured document; and

a display displaying the structured document, wherein the structured document is an XML document.